TO: All Bidders

FROM: City of Cambridge

DATE: April 25, 2022

RE: File No. 10261 HEPA Air Purifiers - Addendum No. 1

This addendum is comprised of:

Submitted Questions and Answers:

1.) Q: What units do you have that are too loud?  
   A: The DB values and specifications have been provided and the current units are irrelevant as these are the units that will be replaced.

2.) Q: Is this fan speed or delivered CFM stated?  
   A: This is the airflow CFM.

3.) Q: Can we present using more than one unit to equate to the needed CFM?  
   A: No, due to the limitations of the electrical system and furniture in the classrooms, they can accommodate only one unit per room.

4.) Q: Can a dealer offer more than 1 option?  
   A: Yes, as long as the proposed units meet the specifications for noise and CFMs.

5.) Q: Frequently is it recommended to have more than 1 unit spread out instead of 1 unit with a higher CFM. Are you open to using more than 1 unit in the given space to equate to the total CFM? Especially if Cambridge currently is using the units elsewhere?  
   A: Please see the answer to Question 3.

6.) Q: Please clarify this is delivered CFM and not fan CFM too?  
   A: Please see the answer to Question 2.

7.) Q: What spaces will these be used in?  
   A: These will mostly be used in classrooms.
8.) Q: Do you want portable units?
A: Yes, the units must be portable.

9.) Q: Any other needs with the unit – UV, Carbon, etc.?
A: No, but the units must have the specifications as described in the Scope of Services.

10.) Q: Can a dealer offer more than 1 option?
A: Yes, as long as the proposed units meet our requests for noise and CFMs.

11.) Q: What specs do you want on the HEPA – 99.97% at .3 microns (the standard medical grade) or 99.99% at .1 micron?
A: 99.97% at .3 microns.

12.) Q: Will you accept tender from another country?
A: Yes.

13.) Q: We are a manufacturer of Portable HEPA Air Purifiers located in Ontario, Canada. These are plug and play units and require only unboxing will this meet the tender requirement? – No installation required.
A: All proposed units should be plug and play.

14.) Q: Will the units be running 24/7 or will they be turned off at night, Weekends, holidays, etc.?
A: The units will be running typically from 8AM-4PM daily.

15.) Q: Can you share what air cleaning systems are currently in use in the classrooms and how they are being operated?
A: Please see the answer to Question 1.

16.) Q: What is your typical classroom size (and ceiling height) and how many air changes per hour are they trying to achieve?
A: It varies, generally they are 900-1,250 square feet or greater with a 9’-12’ ceiling height. 4 air changes per hour.
17.) Q: Our product contains a special proprietary coating on the HEPA filter which coating performs the same function as a carbon filter. As such, there is no separate carbon filter, only the HEPA filter with this filter with this special coating would need to be replaced every 2 years. Is this acceptable?
A: No, the units must have the specifications as described in the Scope of Services.

18.) Q: The bid mentioned that Cambridge wanted to reduce the sound of the current units. What units are those so we have a base line?
A: Please see the answer to Question 1.

19.) Q: Have you purchased HEPA Air Purifiers previously and if so can you share the brand you purchased?
A: Please see the answer to Question 1.

20.) Q: Is it ok to bid by line item on just the small units and/or medium units without bidding on the large units or will the bid only be awarded to someone who can bid on all three sizes?
A: Bidders must submit price proposals for all three sizes.

21.) Q: Are the specifications listed below, correct?

<table>
<thead>
<tr>
<th>Size of unit</th>
<th>Large</th>
<th>Medium</th>
<th>Small</th>
</tr>
</thead>
<tbody>
<tr>
<td>Airflow by Setting (L-M-H) in cubic feet per minute (CFM) minimum</td>
<td>425(L)-820(M)-1330(H)</td>
<td>400 (L)-505(M)-800(H)</td>
<td>60(L)-165(M)-300(H)</td>
</tr>
<tr>
<td>Maximum Noise Level in Decibels at each setting (L-M-H)</td>
<td>38-43-48</td>
<td>44.49-53</td>
<td>23-43-52</td>
</tr>
</tbody>
</table>

A: Yes.

22.) Q: The air flow rates are extremely high for a 110v HEPA portable room air purifier. 1,330 CFM will provide 6 air change per hour in a 1,400 ft (40’x35’) room with 9 ft ceilings. An air purifier that can produce 1,330 CFM may require a 220v outlet or require commercial installation.
A: The 1,330 CFM air purifiers are needed for larger spaces such as libraries, meeting rooms, etc. and 220V outlets will not be available.
23.) Q: You state you are looking for a HEPA filter, but it must have a rating of MERV13 or better. A MERV13 filter is not a HEPA class filtration, MERV13 is only 35% efficient at filtering particles 0.4 microns and above (HEPA Minimum efficiency is 99.97% at 0.3 microns).
A: The units must have an efficiency of 99.97% at 0.3 microns.

24.) Q: Have units been identified (make and models) that meet the specifications that are outlined in the bid document?
A: No.

25.) Q: We would appreciate your consideration of our Ultimatum Model as an alternative for this Bid. We believe that applying multiple units of the same size is a better solution in accomplishing the goals for reaching the requested CFM levels at lower ambient noise rather than one unit that is either large, medium and. Based on our experience, Carbon Filtration does not obtain the longevity that is being asked, once these filters absorb gas and particles, and then no longer work effectively, and require frequent replacement. The use of HEPA and MERV 11 Prefilter together is a proper result for this bid's requests. We ask to consider our unit as an alternative for this bid, and please review then advise if Ultimatum would be eligible for this invitation.
A: The Air Purifying units must have an efficiency of 99.97% at .3 microns and be able to meet all specifications as described in the Scope of Services.

All other details remain the same.